FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE October 28, 1971

Operator: El Paso Natural Gas Company		Lease: Vaughn No. 17	
Location: 1525'S, 1840'W, S 29, T26N, R6W		County: Rio Arriba	State: New Mexico
Formation: Chacra		Pool: Otero	
Casing: Diameter: 2.875	Set At: Feet: 3631	Tubing: Diameter: No Tubing	Set At: Feet:
Pay Zone: From: 3470	To: 3582	Total Depth: 3635	Shut In: 10-15-71
Stimulation Method: S W F		Flow Through Casing: XX	Flow Through Tubing:

Choke Size, Inches: 0.750		Choke Constant: C: 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG: 781	+ 12 = PSIA: 793	Days Shut-In: 13	Shut-In Pressure, Tubing PSIG: No Tubing	+ 12 = PSIA:	
Flowing Pressure: P PSIG: 74	+ 12 = PSIA: 86		Working Pressure: P_w PSIG: Calculated	+ 12 = PSIA: 111	
Temperature: T= 60 °F Ft 1.0000	n = 0.75		Fpv (From Tables): 1.009	Gravity: .650 Fg = .9608	

CHOKE VOLUME = Q = C x P_t x F_t x F_g x F_{pv}

Q = (12.365)(86)(1.000)(.9608)(1.009) = 1031 MCF/D

OPEN FLOW = Aof = Q $\left(\frac{P_c^2}{P_c^2 \quad P_w^2} \right)^n$

NOTE: Well produced a light spray of water and distillates throughout the test.

Aof = $\left(\frac{628849}{616528} \right)^n$ = $(1.0200)^{.75}$ (1031) = (1.0150)(1031) = 1046

Aof = 1046 MCF/D

RECEIVED
NOV 2 1971
OIL CON. COM.
DIST. 3

TESTED BY Dan Roberts

WITNESSED BY

L. E. Mabe, Jr.